

Title (en)
HIGH RESOLUTION REAL TIME RASTER IMAGE PROCESSING SYSTEM AND METHOD

Title (de)
ECHTZEIT-VERARBEITUNGSEINRICHTUNG UND -VERFAHREN FUER BILDER HOHER Auflösung

Title (fr)
SYSTEME ET PROCEDE DE TRAITEMENT EN TEMPS REEL D'IMAGES A HAUTE RESOLUTION

Publication
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Application
EP 97939715 A 19970902

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Abstract (en)
[origin: WO9811503A1] A reduced cost, scaled down raster image processor (RIP) provides fast real time imaging without the cost and complexity of prior designs. The scaled down RIP can be tailored to accommodate image generation in a particular printing range to efficiently run print bars at a reduced equipment cost. The scaled down RIP utilizes a personality module in conjunction with a scaled down controller to provide limited print information to a print engine. The personality module tailors the system for a particular print engine, such as a Moore3 Independent Cartridge Array (MICA) ink jet printer. The personality module is responsible for requesting and reading raster data to build up the staging RAM. A pair of EEPROMs may be used to control each bar read according to the position and distance from the other. Pixel data is then sent to the service station along with the print bar address. The personality module outputs the sequence of pixel data to the service station for imaging, interfaces the display and keyboard information, and transfers the various offsets to a control ASIC for rehandling the pixel data at the staging RAM.

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